



**HEAVY DUTY SILICONE  
&  
SILICONE FREE SPRAY  
FOR MOLD RELEASE**



IMPORTANT - READ BACK PAGE  
FOR USE - CAUTION



## About Aerol

Aerol is one of India's largest manufacturer of Industrial Aerosols & a leading Formulator of Innovative Performance Chemicals. It manufactures over 350 products divided into 6 verticals

- Mold Release, Anti-Spatter Spray & Preparations
- Industrial Aerosols & MRO Preparations
- Specialty Lubricants
- Silicone Fluids, Emulsions & RTV Silicone Sealants
- Automotive Maintenance Aerosols & Preparations
- Personal, Home, Pet & Autocare products

Aerol has a modern manufacturing facility on a 3.5 Acre site in Bahadurgarh, Haryana with a substantial capacity to produce Aerosols, Emulsions and Compounds.

Aerol services Plastic Moulding, Rubber, Pharmaceutical, Chemical, Electronics, Engineering, Automobile, Textile, Footwear, Cement, Steel and Several other industry segments with its products located all over India.



## The **afra**® Advantage

Afra® Heavy Duty Silicone & Silicone Free Spray is the largest selling Mould Release Spray, Mould Lubricant brand in India. It is considered as a reliable and consistent performer by most injection molding enterprises all across the country.

No other brand comes close in either sale volume or performance.

Some of the advantages of choosing Afra® Heavy Duty Silicone & Silicone Free Spray for your use are listed below

- Over 25 years of experience in serving plastic molding enterprises and several other industries.
- Produced in an ISO 9001 2008 certified, world class facility.
- Nation wide availability through Authorized Dealers and Industrial goods retailers.
- Direct technical support to end users.
- Compliant with several national and international standards and norms.
- Free from Chlorofluorocarbons (CFC) and other Ozone Depleting Substances (ODS).
- Every single aerosol can is leak tested and subject to integrity tests before clearance for sale for safety of consumers.
- Best in class quality of cans, components or raw ingredients.





# Afra® Heavy Duty Silicone Spray

## Premium Silicone Sprays for Mould Release application

Afra® Heavy Duty Silicone Spray for Mold Release are Silicone based aerosol preparations and are available as several grades specifically for Injection Molding and Thermoplastic Industry. They are designed to improve release efficiency in many processes including compression, transfer, vacuum forming, pour casting, die casting and extrusion molding. These mold release sprays are compatible with ABS, Nylon, Polypropylene, PPO, Polystyrene, Polycarbonate, ABS, Acetyl, Polyester, Poly sulfone, Polyethylene and several Rubbers, Waxes, Resins & Metals.



### Key Features

- Free from chlorinated solvents, Class I & Class II Ozone Depleting substances.
- Special propellant gas with optimized propane-butane ratio and free from un-saturates.
- Unique combination of ingredients and valve design enables a fine mist spray for optimized application on moulds.
- Wide serviceable temperature of sprayed film, from -40 to 200°C, enables use on hot and cold moulds.
- Non toxic, colorless and generally odorless. Suitable for incidental food contact.
- Use of plastic safe solvent enhances compatibility with most plastic substrates.
- Often used as a clean, non-staining, non-oxidizing, water-repellant, weather resistant, plastic and rubber compatible lubricant for several applications.
- Also used for rejuvenating plastic and rubber by imparting gloss and depth of

Several Grades are available and are described below:

#### Afra, Heavy Duty Silicone Spray, Grade 888

A unique silicone free, low solvent content preparation with a dry feel lubricant deposition on molds. It provides extremely low transfer of actives to molded articles and optimum release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8080

A unique mid molecular weight silicone which deposits as an apparently dry, lubricant mist on molds. It provides low transfer of silicone to molded articles and optimum release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8081

A versatile mid molecular weight silicone which deposits a semi-dry, lubricant mist on molds. It provides moderate transfer of silicone to molded articles and optimum release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8082

An extremely popular silicone preparation which deposits as an oily lubricant on molds. It provides moderate transfer of silicone to molded articles and excellent release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8083

A low molecular weight silicone preparation which has a light and dry lubricant deposition on molds. It provides least transfer of silicone to molded articles and moderate release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8085

A solvent free, virtually odour free silicone preparation which deposits as a dry, non-flowing lubricant mist on molds. It provides moderate transfer of silicone to molded articles and excellent release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8086

A special silicone preparation with high non volatile contents which deposits as an oily lubricant mist on molds. It provides moderate transfer of silicone to molded articles and excellent release cycles. Often used as a spray lubricant. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

#### Afra, Heavy Duty Silicone Spray, Grade 8088

A medium molecular weight silicone preparation dispersed in a chlorinated solvent having excellent lubricity and cleaning properties. It leaves a wet and oily lubricant deposition on molds. It provides optimum transfer of silicone molded articles and excellent release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 400g per can. 24 cans are packed in one corrugated carton.



# Afra® Heavy Duty Silicone Spray

## Premium Silicone Sprays for Special Application



### Afra, Heavy Duty Silicone Spray, Grade 8801

A unique siloxane preparation specially designed for Polyurethane mold release having excellent lubricity and a dry appearance lubricant deposition on molds. It provides optimum transfer of silicone to molded articles and excellent release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

### Afra, Heavy Duty Silicone Spray, Grade 7703

A specially formulated paintable silicone preparation which deposits as a dry feel lubricant mist on molds. It provides low transfer of silicone to molded articles and moderate release cycles. The molded articles can be painted, plated, metalized after molding without any degreasing operation. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

### Afra, Heavy Duty Silicone Spray, Grade 1277

A special high temperature resistant silicone preparation with high non volatile contents which deposits as an oily lubricant on molds. The silicone fluid can withstand high temperature upto 300°C for long periods without decomposition.. Often used as a mold release agent for high molding temperatures, as a spinneret lubricant in production of synthetic fiber yarns and as a spray lubricant in high temperature applications. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 275g per can. 24 cans are packed in one corrugated carton.

### Afra, Heavy Duty Silicone Spray, Grade 8090

Semi-Permanent Mold Release, provides a durable parting film which is colorless, heat stable and suitable for all organic rubbers, thermosets and PU. In most cases, a single application provides multiple release cycles. It is free from Silicone Oil, waxes and other carbonizing materials. It's low solvent content, non-oily type, low deposit, mist spray which ensures negligible transfer of mold release to the molded article. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.

### Afra, Heavy Duty Silicone Spray, Grade 1275

A special high temperature resistant silicone fluid dispersed in chlorinated hydrocarbon solvent for use in mold release applications where mold temperatures are over 200°C. Commonly used in metal casting applications. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 330g per can. 24 cans are packed in one corrugated carton.



# **afra® Heavy Duty Silicone Free Spray**

## **Silicone Free Sprays for Mold Release application**

Unique Silicone Free preparations designed for mold release of molded articles that are required to be painted, printed, electroplated, metalized or glued. The actives transferred to the molded article is compatible with most paints, inks and coating materials and does not hamper the adhesion of the paint ink or coating materials to the substrate. There is no need to degrease the molded article prior any post molding operation. These mold release sprays are compatible with ABS, Nylon, Polypropylene, PPO, Polystyrene, Polycarbonate, ABS, Acetyl, Polyester, Poly sulfone, Polyethylene and several Rubbers & Metals.



## **Key Features**

- Free from chlorinated solvents, Class I & Class II Ozone Depleting substances.
- Special propellant gas with optimized propane-butane ratio and free from un-saturates.
- Unique combination of ingredients and valve design enables a fine mist spray for optimized application on moulds.
- Wide choice of dry, semi-dry and oily actives deposition on mould.
- Most Grades are Non toxic and generally odorless. Suitable for incidental food contact.
- Use of plastic safe solvent enhances compatibility with most plastic substrates.

Several Grades are available and are described below.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1081**

A unique silicone free, low solvent content preparation with a dry feel lubricant deposition on molds. It provides extremely low transfer of actives to molded articles and optimum release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1082**

A unique silicone free, solvent free, oil mist spray suitable for pharmaceutical and food grade plastic molded articles. It has a oily lubricant deposition on molds. It provides moderate transfer of actives to molded articles and excellent release cycles. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1083**

A unique semi-dry, silicone free, dry feel mold release preparation. It provides moderately low transfer of actives to molded articles and optimum release cycles. All ingredients are 100% food grade. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1084**

This is a dry, non-oily, wax type film forming preparation. It is used as a release agent for injection, transfer and compression molding, casting or encapsulation of synthetic thermosetting resins such as phenolics, melamine and epoxy. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 300g per can. 24 cans are packed in one corrugated carton.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1085**

This is a dry, oil free mist spray preparation based on ultra fine polytetrafluoroethylene polymer. It ensures minimal transfer of actives to the molded article. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.

### **Afra, Heavy Duty Silicone Free Spray, Grade 1080**

A unique, economy grade, semi dry, silicone free mold release preparation. It provides moderately low transfer of actives to molded articles and optimum release cycles. All ingredients are 100% foodgrade. Tested for non-toxicity, suitable for incidental food contact. Net Contents, 250g per can. 24 cans are packed in one corrugated carton.





## Precaution during storage and use

Contents are highly flammable.

The cans should be kept away from sources of heat and ignition. Do not spray on flame or ignited materials. The Cans are pressurized and should not be punctured, incinerated or exposed to severe damage. This may cause the can to burst violently. Use in a well-ventilated area and avoid excessive inhalation, eye or skin contact. Keep away from children. Store in a cool, dry and ventilated place below 50°C.

## Shelf Life

The Cans should be used within eighteen months from date of manufacture. Most Cans perform normally even after extended storage beyond the 'best before date'. Such cans may be re-inspected and test run may be conducted to confirm acceptability.

## Packing & Transport Information

Twenty Four cans are packed in one corrugated carton.

### Transport Info

UN Number  
Proper Shipping Name  
Packing Group

### LAND TRANSPORT(ADG)

1950  
AEROSOLS  
2.1  
None Allocated

### SEA TRANSPORT(IMDG/IMO)

1950  
AEROSOLS  
2.1  
None Allocated

### AIR TRANSPORT(IATA/ICAO)

1950  
AEROSOLS  
2.1  
None Allocated

## Information on Disposal of used Cans

Aerosol Cans are designed for single use only and are hazardous even when apparently empty. The can must be completely evacuated by pressing the valve so that negligible gas remains inside and then must be punctured to release the remaining gas vapor. This shall render the can to be non-hazardous and fit for disposal as per local environmental norms.

This activity must be conducted in a designated area, away from any source of ignition and flame, preferably in the open.

The sale or return of unpunctured used aerosol containers to any person, is a violation of the Hazardous Waste Management Rules 2016 and is punishable as per law.



For more information contact:

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